Mountain Weather Forecast

Lake District National Park

Forecast valid from 06:00 on Thursday 09 Dec 2021 until 23:59 on Friday 10 Dec 2021

Forecast Issued on Thursday 09 Dec 2021 at 04:35

Confidence: High for general developments until Sunday. Medium for cloud details.

Headline for Thursday 09 Dec 2021: Bright spells developing. Evening rain and summit snow.

Mountain weather hazards on Thursday 09 Dec 2021

Blizzards No Likelihood	**Heavy Snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Low Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Sleet	Sleet	Sunny intervals	Sunny intervals	Sleet	Sleet
Precipitation probability					
60%	50%	20%	20%	70%	60%

Forecast for Thursday 09 Dec 2021

Weather: Early wintry showers dying out to leave much of daylight hours dry with some bright spells. However, rain and summit snow from around dusk.

Chance of cloud free mountain/hill tops above 800m: 30% becoming 70% around the middle of the day, falling 20% or less in the evening.

Visibility: Mainly good or very good during daylight hours, occasionally poor at first in wintry showers. Becoming poor or very poor at height in the evening. Extensive cloud, base 600 to 900m lifting and clearing during the morning. Cloud becoming extensive, base 600m, for a time in the evening.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
© Crown Copyright 2021. All Rights Reserved.

Mountain Weather Forecast

Forecast for Thursday 09 Dec 2021

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	23/27 W	21/25 W	18/22 SW	23/29 S	25/33 S	31/39 NW	31/40 NW
600	19/26 W	18/24 W	15/20 SW	23/32 S	27/37 S	24/34 NW	24/35 NW
300	7/21 NW	7/19 W	7/17 SW	8/23 S	9/24 S	10/27 NW	11/30 NW
Valley	5/18 W	7/19 W	7/16 SW	7/19 S	7/20 SE	10/26 NW	11/28 NW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	1/-6	0/-6	-0/-7	-0/-8	1/-6	0/-8	-2/-10
600	3/-3	2/-3	2/-3	2/-4	2/-5	2/-4	1/-6
300	5/2	5/2	5/2	4/1	3/-0	4/1	3/-1
Valley	6/5	6/4	7/5	6/4	5/3	7/4	6/2
Freezing Level*	1000m	900m	700m	800m	1200m	900m	700m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Nothing to add.

Forecast for Friday 10 Dec 2021

Weather: Bright with scattered wintry showers, mainly rain below 600m. Most of the showers dying out in the evening with clear spells.

Maximum wind: West or Northwest 20 to 25 gusts 35mph with a significant wind chill.

Chance of cloud free mountain/hill tops above 800m: 70%

Visibility: Mainly very good or excellent, but moderate or poor in wintry showers. Occasional or extensive cloud, mainly around the summits, but lower in showers.

Temperature: **Valleys:** Plus 1 Celsius rising to 5 Celsius
At 800m: Zero to Minus 1 Celsius
Freezing level: Around 700m

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
© Crown Copyright 2021. All Rights Reserved.

Mountain Weather Forecast

Ground Conditions Supplement

Date: Wednesday 8 December Location: Birkhouse Moor summit at 13:34 Full report:
Overnight rain and snow over high ground slowly eased through the morning with the cloud base lifting slightly into the afternoon along with a marked increase in windspeed. Conditions in the fells today were very challenging with the snowline starting at around 300m and above 500m snow depth was roughly boot deep with drifts in excess of 1 metre in many places. Making progress in these conditions is slow going and energy-sapping. Many of the paths are buried under deep snow and are very difficult to follow. Some water features including small upland tarns and streams are also buried. With almost constant white-out conditions in the higher fells today, solid and well-versed navigation skills would have been required to make safe progress. Although not inspected today due to poor visibility, the strong westerly winds will have been depositing large amounts of snow on east-facing scarp slopes and potentially large and unstable cornices will have been building around the corrie rims and ridge flanks. There was also evidence of some cross-loading (snow deposition on other slope aspects). Anyone venturing into the fells tomorrow should expect and be prepared for similar conditions to those described today.
Full winter clothing, mountain boots, and equipment including ice axe and crampons, map, compass, and a headtorch are all essential. Please be conservative with your plans and allow additional time for your intended route to avoid unintentional benightment. Temperature: plus 0.5C. Maximum wind speed 35.2mph. Wind chill: minus 8.6C. Average wind speed: 30.7mph.

Issued at: 04:35 on Thu 09 Dec 2021

© Crown Copyright 2021. All Rights Reserved.